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## Department of Entomology Newsletter, Number 3 -- 1968

Bruner Entomology Club

Jon J. Tollefson, Chairman  
*University of Nebraska - Lincoln*

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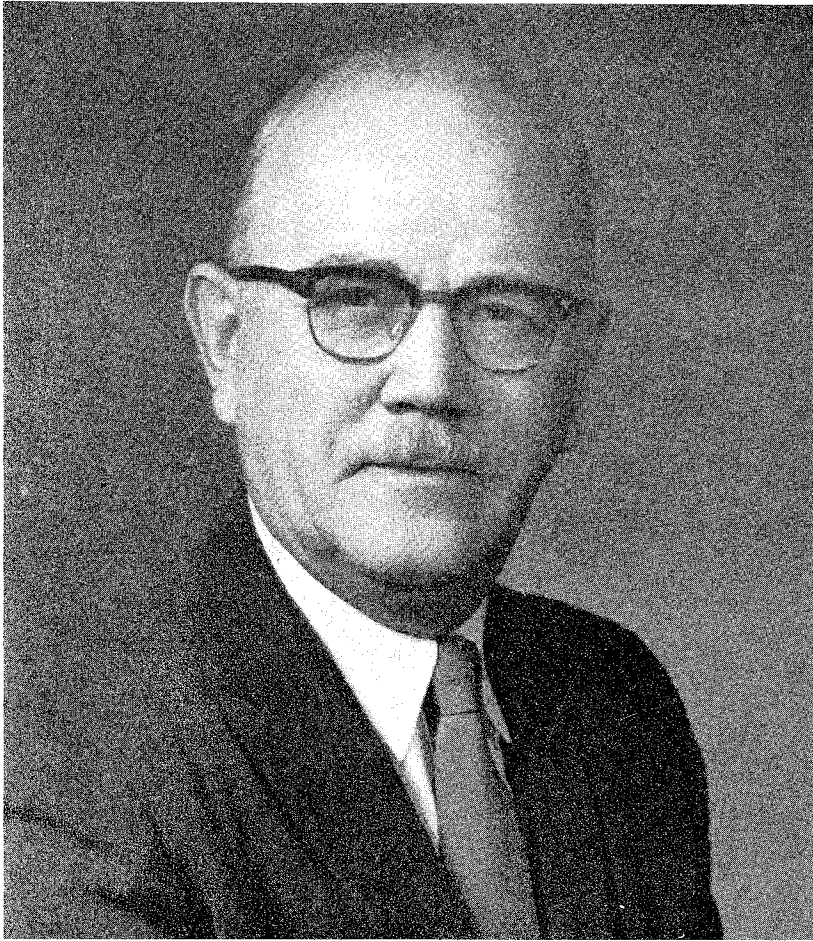
DEPARTMENT OF  
**E**ntomology

newsletter



University of Nebraska  
Number **3**-1968

The 1968 edition of the Bruner Entomology Club Newsletter is dedicated to



Robert Hale Nelson

Robert H. Nelson received his B.S. and M.S. from the University of Nebraska in 1929 and 1930, respectively. Following the receipt of his Master's degree, he accepted a teaching fellowship at Iowa State College.

In 1931 Mr. Nelson accepted a position with the Bureau of Entomology and Plant Quarantine, U. S. Department of Agriculture. He left the Bureau in 1953 as a senior entomologist and accepted a job with the Entomological Research Branch of the Agricultural Research Service.

Presently the Executive Secretary of the Entomological Society of America, Bob has held this post since his election in 1955. He has decided to retire from this position at the end of this year (1968).

It is in recognition of the years of dedicated and superb work in the Entomological Society of America and the field of entomology that the members of the Bruner Entomology Club of the University of Nebraska dedicate this issue of the Newsletter to Robert H. Nelson — one of our most distinguished alumni. We would like to extend our hearty congratulations for a job well done.

## FOREWORD

It is again time for the members of the Entomology Department of the University of Nebraska to send their greetings to their friends throughout the world with the 1968 edition of the Bruner Entomology Club Newsletter. The Newsletter is designed to keep the alumni up to date with the advances made in the department, to keep the alumni informed of what some of their fellow alumni are now doing, and to allow the present students to read about the accomplishments of their departmental predecessors.

I would like to thank all the members of the Entomology Club for making the project truly a club project by all taking part in the putting together and publication of this Newsletter. I express special thanks to the members of the Newsletter committee. I also express special thanks to the typists.

It is with the deepest regrets that we hear four of the members included in the 1966 Newsletter have since passed away. The four are: William Dwight Pierce, who died at his home in Los Angeles, California, April 27, 1967; Leroy M. Gates, former Nebraska State Entomologist, died on October 25, 1967 at Chadron, Nebraska; Thomas B. Snipes who died of a heart attack on November 19, 1967 in Chicago, Illinois; and Arling A. Gardner who was employed as Regional Supervisor for the Central Pest Control Region, passed away on February 18, 1967 in Minneapolis, Minnesota.

We all sincerely hope that the project will live up to your expectations. If there are any suggestions or if any of you would like some information about someone you have lost track of please feel free to shoot us a line.

Jon J. Tollefson, Chairman  
Bruner Entomology Club Newsletter Committee

December 1, 1968



## THE BRUNER ENTOMOLOGY CLUB

Since the last Newsletter in 1966 the Bruner Entomology Club has continued to flourish. Last year the club had 31 members. We are looking forward to an increase this year due to the arrival of a number of new graduate students and also the participation in the club's activities by several of the undergraduate students that are majoring in entomology. We continue to have a number of outstanding speakers lecturing at our club meetings. The speakers are generally chosen from outside the department so that club members are given the chance to broaden their horizons and learn how entomology affects the related fields. At present speakers have been scheduled for almost every meeting during the 1968-69 school year.

Last year's club officers were: President, Dave Keith; Vice-President, Gary Beland; and Secretary-Treasurer, Don Short. Under the Keith administration several new projects were undertaken. Foremost among these was the collection of important Nebraska insects by club members. The collections will be sold to county agents, 4-H clubs, and vocational agriculture departments as reference collections. This project has had good reception and nearly 100 collections are already sold. The club is working hard to collect the remaining insects needed before frost. The fall and winter will be spent pinning and mounting the insects.

Our annual Christmas party was a great success last year. Almost every faculty and student family was present. The kids' gift exchange and games provided much excitement the entire evening.

Another family activity that is enjoyed by everyone is the sweet corn picnic held in August. The corn is pressure cooked, with husks, and served in ten gallon garbage cans. I believe this is a first in preparing sweet corn.

The previous two years, the club has held the May meeting at a faculty members' house. This was formally known as a stag party but now that we have a non-stag in the department ----.

The club continues to award student of the month honors, now termed the Bruner Blunder Award. At each monthly meeting the previous holder of the award is expected to make a presentation of this trophy to the club member who has committed the blunder which is most deserving of recognition during the previous month.

As of last year, we have a sister organization, the Lady Bugs. The members are the wives of the graduate students in the department. The club was quite active last year and we hope it will be continued throughout the coming year.

The Entomology Club officers for the 1968-69 school year are: President, Don Short; Vice-President, Jon Tollefson; and Secretary-Treasurer, Pat Landers.

The club members would like to extend a cordial invitation for all alumni to attend our club meetings. If any of you get to visit the department the second Thursday of any month, stay a little longer and visit our meeting. You will get an opportunity to meet and socialize with the members of the department.

## UNIVERSITY OF NEBRASKA STATE MUSEUM, DIVISION OF ENTOMOLOGY

A number of new renovations within the Department of Entomology are either completed, in progress, or in the planning phase. One of these involves the University of Nebraska State Museum which, historically, has been housed in Room 210 of the Plant Industry Building.

The entire collection, currently consisting of an estimated 1,500,000 specimens is housed in 69 steel cases, 33 three-drawer steel units for alcoholic specimens, 67 Cargille sets (100 vials per set), and 887 microscope slide boxes. With the exception of the Cargille sets and the slide boxes, these facilities are full. If the approximately 21,000 specimens on loan or exchange were returned there would be no available space.

As a result of this tremendous expansion, the Museum will move to a new facility located in Nebraska Hall on the city campus. The Entomology Collection will be one of a number of systematic collections to be housed on either of the two completely renovated 4th and 5th floors. The project is supported by the National Science Foundation, the State of Nebraska, and a number of private donations. All systematic biological collections will be housed together in Nebraska Hall in some 64,000 square feet of floor space. These collections include: Botany, Entomology, Parasitology, Invertebrate Paleontology, Vertebrate Paleontology and Zoology. The Anthropology collections will also be housed in this area.

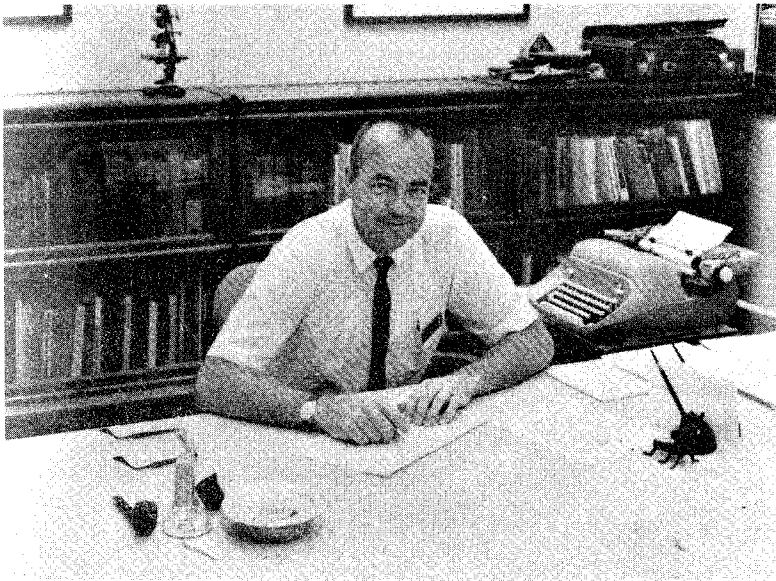
The proposed Entomology facility will include 3 large rooms (including office space). Specimens will be stored in a special temperature-humidity controlled room with new pest-proof steel cases. Adequate space is allotted as a research area for visiting specialists, preparation of museum specimens, and storage of shipping materials. The Entomology Museum unit will also provide space for seminars and teaching taxonomically oriented courses. This room provides needed space for accommodating 15-20 students and storage of teaching aids and laboratory equipment. The third allocated room is that of the curator's office and a private research area. This area will also include cataloging and correspondence files, and a reference library. Large areas are allocated for independent graduate student research. It is proposed that research space be available to accommodate five graduate students engaged in systematic research.

## FIELD TRIP - 1968

Drs. Harold Ball and Kenneth Pruess with students Antonio Beltran, Hikmet Ozbek, Chuck Staetz, and Howard Gillaspie spent ten days at the Valentine National Refuge this past summer. They had excellent collecting results, but the fishing was poor. Yucca moths, dragonflies, and aquatic insects were the common finds. Dr. Ball took some excellent film footage of insects in their natural surroundings. The students were initiated the first night out when storm winds blew down their tent.

## INSECT PATHOLOGY PROGRAM

This is a new program begun in the Department since the last Newsletter. Rooms 203 and 203A, the former Department office, have been converted into an office-laboratory for this program, and other aspects of histology and morphology. Drs. Helms and Raun, together with graduate students, Berberet, Landers and Jha, are involved in the program. An intensive effort to learn the histology and morphology of the white grub, Phyllophaga anxia, and the diseases associated with this scarab, may eventually lead to the use of one or more pathogens to control it. Work in this unit is also involving the developmental morphology, spermatogenesis, and oogenesis of the corn rootworm complex.



## NEW STAFF

Earle S. Raun, Chairman



John B. Campbell



Thomas J. Helms

## NEW STAFF

JOHN B. CAMPBELL (Assistant Professor, Research Entomologist, ARS, USDA, 1966--), 401 No. 75th Street, Lincoln, Nebraska. Dr. Campbell came to Nebraska in 1966 after receiving his PhD. from Kansas State University. He received his B.S. and M.S. from the University of Wyoming. Jack concentrates on the biology and control of insects affecting man and animals, and is currently evaluating various spraying operations. The Campbells have two boys and two girls.

THOMAS J. HELMS (Assistant Professor, 1967--), 3435 Dudley Street, Lincoln, Nebraska. Dr. Helms joined the Entomology staff in March 1967. He received his B.S. and M.S. from Arkansas State University and his PhD. from Iowa State University in 1967. He and Dr. Raun have introduced entomology to television with ETV's beginning entomology course. Tom also teaches taxonomy, morphology, and the laboratory portion of Dr. Pruess' entomology course. His research interests lie in morphology and pathology particularly with reference to the corn rootworm and the white grub. The Helms have three children, Tim, Jeane, and new son John.

EARLE S. RAUN (Professor and Chairman, 1966--), 3036 Prairie Road, Lincoln, Nebraska. Dr. Raun became our Department Chairman November 1, 1966. Before coming to Nebraska he was an associate professor at Iowa State University and a research entomologist with the USDA Corn Borer Laboratory, Ankeny, Iowa. Although Dr. Raun has been kept quite busy with the administrative duties of a department chairman, he has found time to initiate an Insect Pathology Laboratory at the Plant Industry Building and to establish a research program dealing with the anatomy, histology, and pathology of Phyllophaga anxia. Dr. Raun and his wife, Georgia, have daughters, Michele (17), Nancy (15), and Patricia (9).

## UNDERGRADUATES AND UNDERGRADUATE TEACHING

The Department was granted support during 1967-1968 for six participants in a National Science Foundation-Undergraduate Research Participation Project for the 1968 summer period. Five participants started their projects in June.

Ray Hartung, a Zoology major, worked with Dr. Pruess on his Dawson County project. Bob Luedtke, an Entomology major, worked with Don Short and Dr. Hill on a corn rootworm project. Al Penner, an Agronomy major, worked at the Forage Insects Laboratory under Dr. Manglitz on bindweed insects. Dr. Campbell had Bill Mobley, a Zoology major, work on mosquitoes in the Lincoln area, and Dr. Helms directed Jerry Klein, a Biology major from John F. Kennedy College, on a project with leafhoppers.

We hope the project can be continued for summers to come!



#### STAFF

1st Row (L to R) Roscoe E. Hill, Kenneth P. Pruess, James M. Shalk, J. Derril Munson, Walter R. Akeson, Robert E. Roselle.

2nd Row (L to R) Donald E. Lawson, Earle S. Raun, S. Dean Kindler, Robert Staples, Lloyd W. Andersen.

3rd Row (L to R) Harold J. Ball, George R. Manglitz, Paul C. Peterson, Calvin M. Jones, John B. Campbell, David L. Keith, Thomas J. Helms.

ARTHUR F. HAGEN (Assistant Professor, 1957--), 3009 Avenue G, Scottsbluff, Nebraska. As an assistant professor of entomology, stationed at the Scotts Bluff Experiment Station, Art conducts research on insects affecting crops in the Panhandle area. He is particularly interested in grasshopper taxonomy. As a gun and hunting enthusiast, Art is a gun safety and riflery instructor to youth groups. He lives with his wife Marlene and four children - Sandra, Danette, Gwendolyn, and Merle.



## PROFESSIONAL STAFF

WALTER R. AKESON (Assistant Professor of Agronomy, 1965--), 7145 Morrill Avenue, Lincoln, Nebraska. Dr. Akeson has his B.S. and M.S. from the University of Nebraska and a PhD. from the University of Wisconsin. He is now directing biochemical investigations on the nature of resistance and susceptibility of Melilotus to the sweetclover weevil. This work is supported by contract funds from the ARS, Entomology Research Division. The Akesons have two small boys.

LLOYD W. ANDERSEN (M.S., 1954; Ext. Ent. and Survey, 1954-1959; Ext. and Potato Specialist, 1959-1968; Assistant Professor, Ext. Entomologist and Environmental Health Specialist, 1968--), 8035 Talbot Trail, Lincoln, Nebraska. As an extension entomologist, Lloyd works with urban and rural people, helping them solve their insect and rodent problems. As part of his PhD. program he is conducting research on the detection and control of the wheat curl mite. Lloyd and his wife Helen have three children, Craig and Gail, 10-year-old twins, and Tim, an 8-year-old.

HAROLD J. BALL (Professor of Entomology, 1951--), 7220 Aylesworth, Lincoln, Nebraska. Dr. Ball teaches insect physiology and has started a new course in advanced insect physiology. He is doing research on photoreceptors of the American cockroach and their effect on diurnal rhythm. During the summer months he is interested in corn rootworm resistance. He and his family, Dr. Ellen Ball and daughter Pamela Jean, vacationed in Wisconsin during the summer of 1967.

JEROLD H. L. BELL (Research Associate; Supervisor, Plant Pest Control Division, USDA, 1956--), 1809 No. 60th Street, Lincoln, Nebraska. Jerry has charge of all plant pest control activities in Kansas and Nebraska. The Bells have three sons.

ROSCOE E. HILL (B.S., 1934, Agric.; M.S., 1936; Professor of Entomology, 1940--; Chairman, 1950-1966), 848 Carlos Drive, Lincoln, Nebraska. Dr. Hill is devoting his time to research and teaching. He is enjoying the chance to get back to the field. The biology, ecology, and control of insects affecting corn are of special concern to him. Dr. Hill is teaching insect ecology and the history and literature of entomology. The Hills have four sons and four granddaughters. "Although I obtained much satisfaction from my tenure as departmental chairman from July 1950 to November 1966, I've really been enjoying the recent relief from administrative duties. Those duties now are in the very capable hands of Dr. Earle S. Raun."

CALVIN M. JONES (Instructor; Research Entomologist, USDA, 1956--), 3441 No. 52nd Street, Lincoln, Nebraska. Cal is continuing research on the biology and control of face flies at the Livestock Insect Lab. He is especially interested in a staphylinid beetle as a possible biological control measure.

DAVID L. KEITH (Instructor and Extension Survey Entomologist, 1967--), 3910 Orchard Street, Lincoln, Nebraska. Dave took his present position in May 1967. Since then, insect survey and general extension work occupy a major portion of his time. Dave and Brenda have two daughters, Becky (7) and Jennifer (3).



S. DEAN KINDLER (Assistant Professor; Research Entomologist, USDA, Forage Insect Laboratory, 1964--), 1511 Valley View Drive, Lincoln, Nebraska. Dean received his PhD. in entomology from the University of Nebraska in January 1967. He is currently interested in host plant resistance studies with emphasis on the pea aphid, the spotted alfalfa aphid, and the potato leafhopper. He and Beverly Jean have two sons, Paul (11) and John (8).

DONALD E. LAWSON (Instructor 1962--), 7420 Garland Street, Lincoln, Nebraska. Don is conducting research on chemosterilants, attractants, and repellents, and investigating the biology of the corn rootworm. He has successfully completed his comprehensive exams and is finishing his dissertation. Don still finds time to maintain his bowling ability. He and his wife Lorraine are enjoying their new home in northeast Lincoln.

GEORGE R. MANGLITZ (PhD., 1962; Associate Professor; Research Entomologist, USDA, 1958--), 6715 Bethany Park Drive, Lincoln, Nebraska. George heads up the team at the Forage Insect Laboratory and conducts research on the biology, ecology, and control of forage crop insects. Dr. Manglitz and his wife have five children. Their youngest son was born May 27, 1966.

JAMES D. MUNSON (Graduate Assistant, 1964-66; Instructor, 1966--), 1924 No. 57th Street, Lincoln, Nebraska. For the last two years Derril has managed the Entomology Department's Field Laboratory at Mead, Nebraska. He is conducting research on corn insects, specifically corn rootworms. Derril has passed his comprehensives and hopes to complete his thesis soon and receive his PhD. in 1969. The Munsons now have two daughters, Annette (4) and Amy (1).

KENNETH P. PRUESS (Associate Professor, 1957--), 1441 Urbana Lane, Lincoln, Nebraska. Ken has found much to keep him busy since coming to Lincoln from the North Platte Experiment Station. He teaches several classes as well as works on the biology and ecology of cutworms, and the ecology of rangeland grasshoppers. Dr. Pruess is also working on the area insect control program currently being conducted in Dawson County. The Pruesses have two children, Cameron (3) and Carleen (1). Ken spends his spare time collecting revenue stamps and angling for the big bass.

NEVA C. PRUESS (Research Associate, honorary, 1964--), 1441 Urbana Lane, Lincoln, Nebraska. Neva is Ken's wife and spends much of her time caring for their two children. She finds time to conduct research and is presently working on a checklist of Nebraska Odonata. Neva contributed a list of Odonata known to occur in Nebraska to the symposium on Odonata distribution held at the 1966 No. Cent. Br. meetings of the Entomological Society of America.

ROBERT E. ROSELLE (Professor; Extension Entomologist, 1952--), 701 Eastridge Drive, Lincoln, Nebraska. As extension entomologist, Bob is kept quite busy preparing control recommendations and providing farmers with current information on insect control. Mr. Roselle still stars on the TV program, "Backyard Farmer." He and his wife have three sons.

JAMES M. SCHALK (Instructor; Research Entomologist, USDA, 1965--), 2001 Morningside Drive, Lincoln, Nebraska. Jim is stationed at the Forage Insect Laboratory and is working on the ecology and physiology of the spotted alfalfa aphid. He is also interested in plant resistance related to the spotted alfalfa aphid. The Schalks have two children.

CLIFFORD J. WALSTROM (B.S., 1949; Nebraska State Entomologist; Instructor, 1966--), Route #2, Ceresco, Nebraska. Cliff reports a good turnout of students in his beekeeping class the last two years. His primary concern is his work as State Entomologist and Chief of the Bureau of Plant Industry. Florence and son Doug manage the farm, bees, and Angus cattle while Cliff is engaged in the "same old grind."

ROBERT STAPLES (Associate Professor, 1950--), 1040 No. 65th Street, Lincoln, Nebraska. Dr. Staples' teaching assignment is the course Arthropod Transmission of Plant Pathogens. When Bob is not teaching, he keeps himself busy by conducting research on the transmission of plant pathogens by insects and mites. Dr. Staples keeps himself in shape by trying to keep up with Boy Scout Troop No. 59 of St. Mark's Methodist Church. He serves the troop in the capacity of scoutmaster and I understand he is a real tough "cookie" to earn merit badges from. His wife teaches part time for the Clothing, Textile, and Design Department in the School of Home Economics. They have three children. Two girls, one of which is a senior and the other is just starting at the University of Nebraska. His son is a sophomore in high school.

## COURSES 1968-1970

## ENTOMOLOGY

	<u>Cr.</u>		
Entomology 9	3	Beekeeping	Walstrom
Entomology 101	3	Introduction to Entomology	Helms
Entomology 101 (TV)	3	Introduction to Entomology	Helms, Raun
Entomology 104	3	Introduction to Insects	Pruess
Entomology 191		Special Problems	Staff
Entomology 201	3	Insect Physiology	Ball
Entomology 205	2	History & Literature of Entomology	Hill
Entomology 206	3	Insect Ecology	Hill
Entomology 208	3	Insects Affecting Plants & Animals	Pruess
Entomology 209	2	Insect Control by Host Plant Resistance	Manglitz
Entomology 211s	1-2	Field Entomology	Ball, Pruess
Entomology 212	4	Insect Taxonomy I	Helms, Pruess
Entomology 213	4	Insect Taxonomy II	Helms, Pruess
Entomology 225	3	Insect Transmission of Plant Pathogens	Staples
Entomology 291		Special Problems in Entomology	Staff
Entomology 300	3	Insect Toxicology	Lawson
Entomology 302	3	Advanced Insect Physiology	Ball
Entomology 303		Research	Staff
Entomology 304	3	Insect Morphology	Helms
Entomology 305	1	Seminar in Entomology	Staff
Entomology 306	3	Principles of Systematic Entomology	Pruess
Entomology 398	M.S.	Thesis in Entomology	Staff
Entomology 399	PhD.	Thesis in Entomology	Staff



CLERICAL and TECHNICAL STAFF

1st Row (L to R) Esther A. Schock, Carla M. Tollefson, Barbara J. Lloyd, Darlene L. Beaty.

2nd Row (L to R) John F. Hermanussen, Terence L. Dukes, Earl R. McGonegal.

BASEL, FRANK H. (Field and Lab Technician, 1965--), Box 66, Ithaca, Nebraska. Frank is the "handyman" around the Corn Insects Lab at Mead and keeps the organization in operation both in the lab and in the field. He bowls in two leagues and carries a 150+ average. He is also an avid horseshoe pitcher. Frank and his wife Tilly are proud grandparents; their only daughter Darlene (Mrs. Paul Petersen) gave birth to a baby girl this fall.

## CLERICAL AND TECHNICAL STAFF

DARLENE LOUISE BEATY (Secretary, Extension Entomology, 1966--), 7631 Aylesworth, Lincoln, Nebraska. Darlene is married, with three children, Barbara (15), Frank, Jr. (13), and Brian (12). Darlene and her family are adjusting to the snow in Nebraska after having lived in Texas all their lives. They admit that, like all true Texans, they like to brag a little about their great state.

MAVIS R. BRINKMAN (Secretary for Insectary), 5221 Orchard, Lincoln, Nebraska. Mavis joined the secretarial staff in August of 1968. She and her husband Marlin have two daughters, Cheryl (11) and Cindy (8). Her hobby is sewing - "trying to keep two daughters in clothes."

TERRANCE L. DUKES (Laboratory Mechanic, 1963--), 6641 Havelock Avenue, Lincoln, Nebraska. Terry's duties include the maintenance of research apparatus and the designing and construction of specialized equipment for staff and students in the Department. In his spare time, Terry is a model railroad hobbyist. His wife Kathleen and he have a young daughter, Debra.

LINDA ANN FREESE (Laboratory Assistant, 1966--), 6031 Lexington, Lincoln, Nebraska. Linda is a junior at Nebraska Wesleyan, majoring in X-ray technology. She is presently assisting on the WASP project. Dr. Pruess says she is the best looking assistant he has ever had. She admits that she actually enjoys the world of insects more than she ever anticipated she would. Linda is an avid bowler and bowls on a University League.

JOHN F. HERMANUSSEN (Agricultural Research Technician, USDA, 1964--), 1250 South 25th Street, Lincoln, Nebraska. John is an assistant to Cal Jones, helping to maintain colonies of flies and staphylinid beetles and carrying out laboratory and field tests on the biology and control of flies. John is married, has one son and three daughters.

NINA I. JEFFREY (Secretary, Forage Insect Laboratory, USDA, 1963--), 3029 P Street, Lincoln, Nebraska. Ginger (Nina's cat) is still her best pal. Nina's hobby is playing the organ. (She says politicking is her favorite hobby.) She is quite active in church work and several civic clubs.

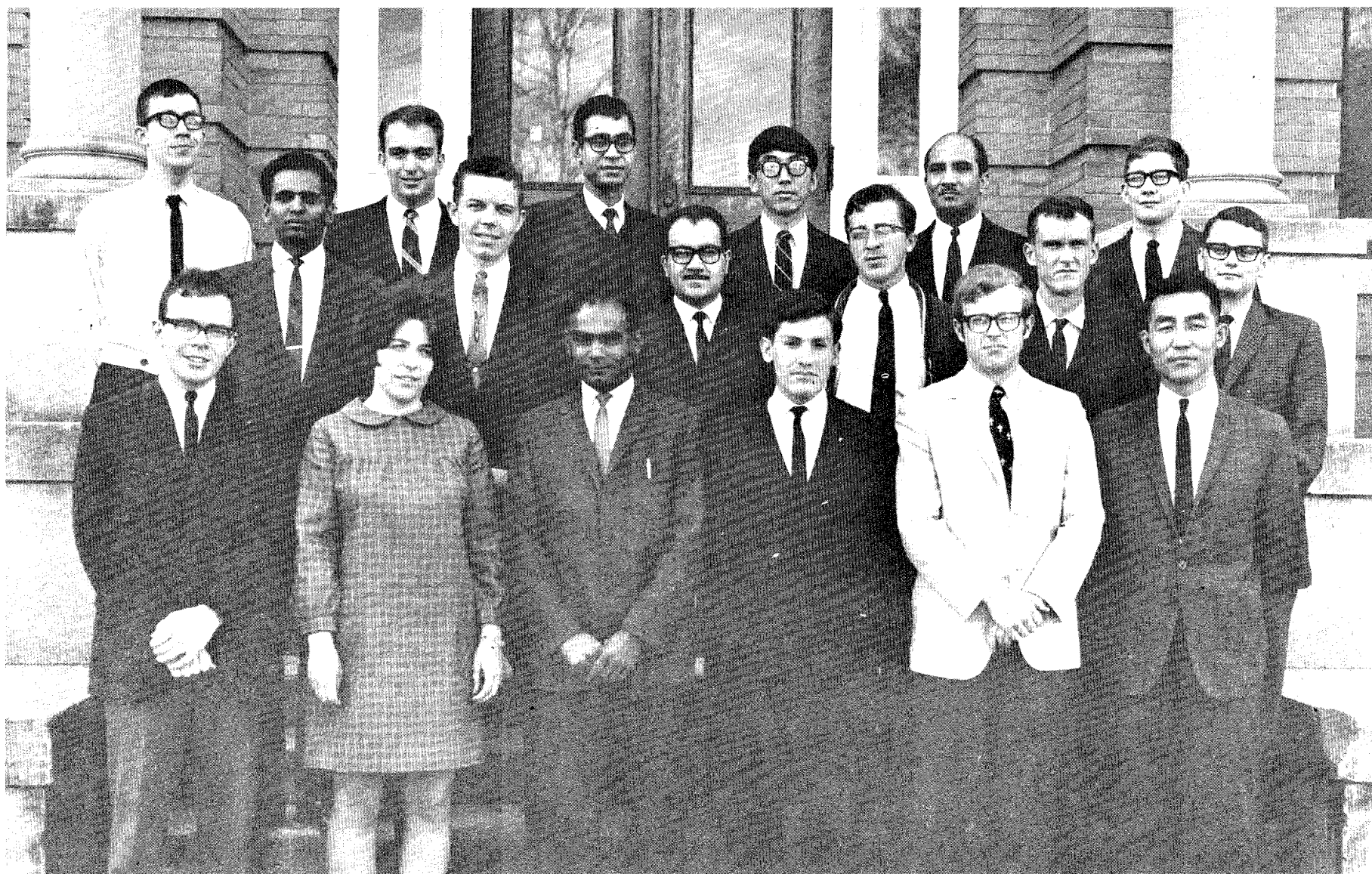
EARL R. MCGONEGAL (Agriculture Technician, 1966--), 1420 No. 9th Street, Lincoln, Nebraska. Mr. McGonegal is a technician for Dr. Staples. He is the father of two sons; both are members of the United States Air Force.

ESTHER A. SCHOCK (Secretary), 1142 No. 44th Street, Lincoln, Nebraska. Present duties include "little bit of everything." After umpteenth years she still likes working for the Department. Her hobbies are her five grandchildren and traveling. She and husband Mel like to try their luck at fishing around the state.

HENRY STEVENS, JR. (Agricultural Research Technician, Forage Insect Laboratory, USDA, 1958--), 5118 Dudley Street, Lincoln, Nebraska. Henry is his usual hard-working self--helping not only everyone at the Lab but almost everyone else on the campus as well. He moonlights most of the time but he says he's getting too old for so much of that. He is married and has four children, one daughter and three sons.

CARLA M. TOLLEFSON (Laboratory Technician, 1967--), 4129 Holdrege Street, Lincoln, Nebraska. A graduate of Gustavus Adolphus College, she obtained her B.A. in 1967. Carla is lab technician for Dr. Harold Ball and Don Lawson. Her main interest is to see husband Jon through grad school, besides taking a few courses towards her M.S.





GRADUATE STUDENTS

1st Row (L to R) Charles A. Staetz, Patricia L. Landers, Patte S. Rai, Antonio Belltran, Brett C. Ratcliff, Chong K. Park.

2nd Row (L to R) Mahesh D. Jha, Richard C. Berberet, Hikmet Ozbek, William P. Jansen, Donald E. Short, Gary L. Beland.

3rd Row (L to R) Joseph H. Tarnopol, John E. Fardal, Muhommad Chaudhury, Christian Oseto, Rashid A. Bhatti, Jon J. Tollefson.

## STUDENTS

GARY L. BELAND (Graduate Student, 1965--), 1316 No. 44th Street, Lincoln, Nebraska. Gary did his undergraduate work at Kearney State College. He assisted Dr. Akeson in the determination of resistance-conferring substances present in weevil-resistant sweetclover. He finished his Master's work this summer. He is now working toward a PhD. degree. Gary was also the official scorekeeper for the softball team.

RICHARD C. BERBERET (Graduate Student, 1966--), 1316 No. 44th Street, Lincoln, Nebraska. Dick hails from the big sky country of Montana where he attended Carroll College in pre-med, but decided to try a change of scenery and represent the great state of Montana in the Entomology Department of the University of Nebraska. He is working on the morphology of Phyllophaga anxia, the white grub.

MUHAMMAD F. B. CHAUDHURY (Graduate Student, 1967--), 3019 Starr Street, Lincoln, Nebraska. Muhammad is an exchange student from Pakistan and holds a Fulbright Grant. He is working toward his PhD., specializing in medical and veterinary entomology.

JOHN E. FARDAL (Graduate Student, 1966--), 7320 Seward, Lincoln, Nebraska. This "Tall Texan" received his B.S. degree at Stephen Foster College. John is conducting research on the dual control of corn rootworms and corn borers. He and Pat have a new son, "little John."

JOEL K. HANSON (Graduate Student, 1968), 5302 Ervin Street, Lincoln, Nebraska. Joel recently graduated from Gustavus Adolphus College with his B.S. in biology. He started his assistantship July 1 and is still undecided about his Master's work. Joel was recently married and his wife Lynn works for the Nebraska Extension Service. (Since July, when this was written, Uncle Sam has intervened. Joel is now in the Air Force. All of us are looking forward to the Hanson's return to Nebraska.)

WILLIAM P. JANSEN (Graduate Student, 1966--), 2546 S Street, Lincoln, Nebraska. Bill is a migrant from Illinois. He has a B.S. degree from University of Illinois and is now working toward a PhD. degree in the field of transmission of plant viruses by insects. Bill enjoys his Austin Healy, stereo phonograph equipment, and bowling.

MAHESH DATTA JHA (Graduate Student, 1967--), 407 So. 30th Street, Lincoln, Nebraska. Mahesh comes to us from San Francisco State College where he received his M.S. He also holds B.S. degrees from Utah State University and Calcutta University. He is conducting research on spermatogenesis in corn rootworms under Dr. Helms. Mahesh is married and has twin daughters.

PATRICIA L. Landers (Graduate Student, 1967--), 3430 St. Paul, Lincoln, Nebraska. Pat graduated from Iowa State University in 1966 with a B.S. degree in zoology. She is now engaged in a study of the pathology of the white grub. One of her main interests is her dog, Heather.

ROBERT J. LUEDTKE (Sophomore - Entomology), 1535 No. 58th Street, Lincoln, Nebraska. Bob is an undergraduate major in entomology working part time for the Department. He is a graduate of Lincoln Northeast High and lives at home with his parents.



ELRAY L. NEIMAN (Graduate Student, 1966--), 3144 Zeamer Circle, Lincoln, Nebraska. Elray received his B.S. in agronomy here at the University of Nebraska. At the present time he is a graduate research assistant at the Forage Insect Laboratory under the USDA-ARS. He is conducting research on the biology and ecology of the brome midge (Stenodiplosis bromicola).

CHRISTIAN OSETO (Graduate Student, 1968--), 2420 R Street, Lincoln, Nebraska. Chris received his B.S. in microbiology at Roosevelt University. He will be studying the internal morphology of the greenbug.

HIKMET OZBEK (Graduate Student, 1967--), 1720 No. 31st Street, Lincoln, Nebraska. Hikmet obtained a B.S. degree from Ataturk University in Turkey. He hopes to do research in some aspect of biological control of insects. He is married and has a son and a daughter.

CHONG KUN PARK (Graduate Student, 1963--), 4204 Starr, Lincoln, Nebraska. Chong received his M.S. in entomology in 1966. He is now working on the taxonomy of Analgoidea. Chong wishes to travel throughout the world and is commencing with the "wild west."

PATTE SHIVARAMA RAI (Graduate Student, 1967--), 3401 Holdrege, Lincoln, Nebraska. Rai received his B.S. from the Agricultural College and Research Institute, Coimbatore, India, and his M.S. from the Indian Agricultural Research Institute, New Delhi. He is very interested in extension work.

BRETT C. RATCLIFFE (Graduate Student, 1968--), 3201 Y Street, Lincoln, Nebraska. Brett graduated in June 1968 and is now a graduate student in the department. His present job consists of curatorial work. Brett's main interests are the taxonomy and biology of Coleoptera. He maintains an ever-growing personal collection of beetles of the world and has collected extensively in the west, south, and central United States as well as in Japan. As a hobby he likes all phases of natural history, classical music, and Early American literature.

DONALD E. SHORT (Graduate Student, 1967--), 5074 Loring Circle, Lincoln, Nebraska. A Missouri native, Don graduated from MU in 1961 with a degree of B.S. and a M.S. in 1963. After several years of working for a chemical manufacturing firm, he returned to the academic world and books once again. He has started designing experiments on the biology and ecology of northern and western corn rootworms. He is married and has a wonderful family of two sons, Greg (3) and Mike (1). His wife, Mary Lou, is presently working part-time for Nebraska Research Coordinating Unit.

CHARLES A. STAETZ (Graduate Student, 1967--), 224 Spruce, Chadron, Nebraska. Chuck came to us from Chadron State College where he majored in chemistry. He spent the last two summers at his home town of North Platte where he maintained the research plots and handled the extension work there. His own research involves the relationship between the age and sex of the corn rootworm to their insecticide resistance. During semester break this year Chuck married Chris, who he had met while a student at Chadron State. (Since the initial writing and the final printing of the Newsletter there has been an important change in Chuck's status. He is no longer a student at the University but is serving as a draftee in the U. S. Army. We are looking forward to having him with us again in a couple of years.)

JOSEPH H. TARNOFOL (Graduate Student, 1966--), 2540 S Street, Lincoln, Nebraska. Joe began his graduate work after receiving his B.S. at Ohio State University in 1966. He has been working on the effects of plant terpenoid substances on the development of the mealworm.

JON J. TOLLEFSON (Graduate Student, 1967--), Apt. 1, 4129 Holdrege Street, Lincoln, Nebraska. After receiving his B.S. from Gustavus Adolphus College in St. Peter, Minnesota, Jon came to Nebraska to work on the biology of the western bean cutworm. His extracurricular activities include playing softball and handball as well as serving as editor of the Bruner Entomology Club Newsletter. His claim to fame during his first year at Nebraska, was that he twice received the Entomology Club's Bruner Blunder Award.

JOHN F. WITKOWSKI (Graduate Student, 1968--), 5717 Hartley Street, Lincoln, Nebraska. John received his B.S. from the University of Nebraska, Febr. 1965. Just recently discharged from the U. S. Navy where he served  $3\frac{1}{2}$  years, John is working toward his M.S. studying corn rootworm populations in the Dawson County project.

MIKE YEARLEY (Sophomore - Entomology and Zoology), 2740 No. 60th Street, Lincoln, Nebraska. Mike maintains the stored grain insect cultures. He is beginning his career with Entomology 104.

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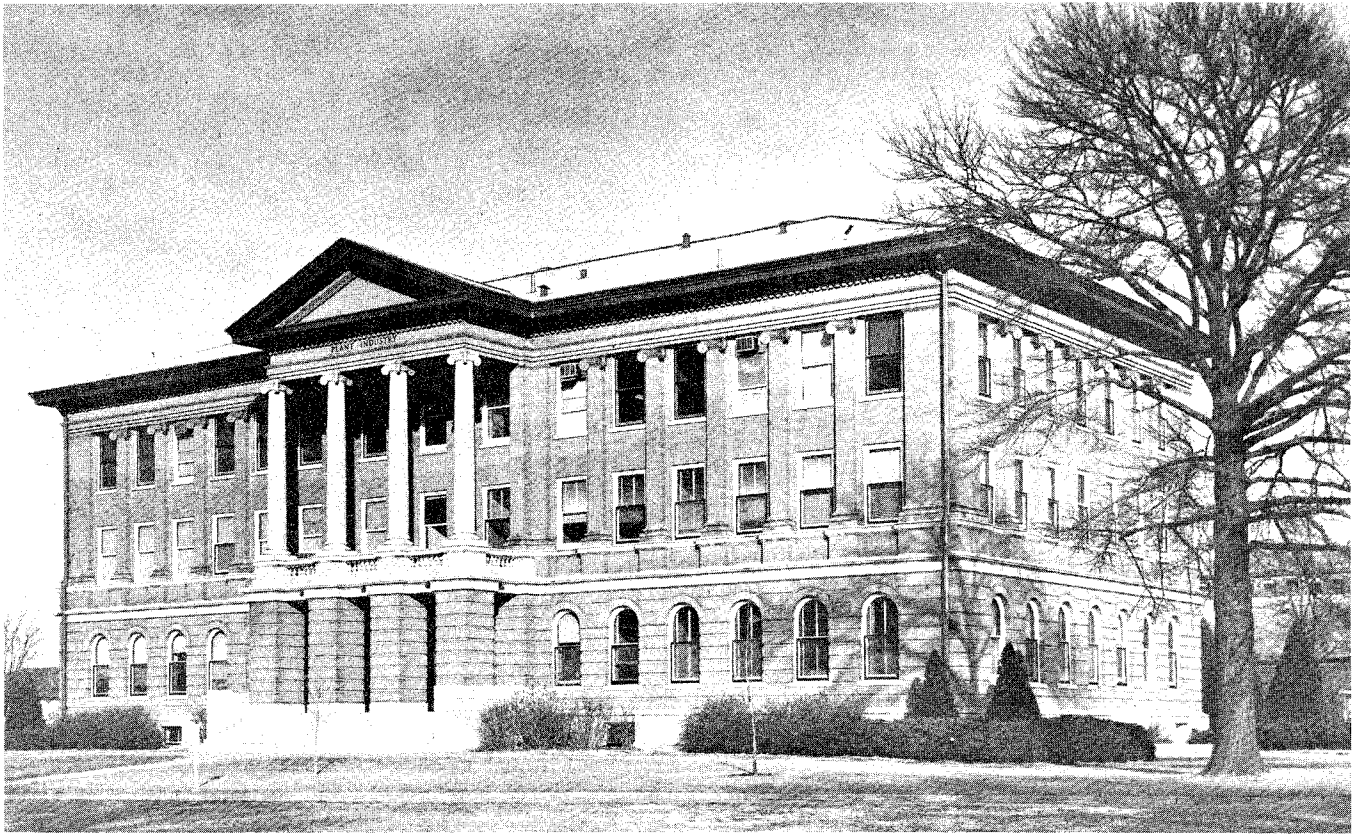
#### Addendum

ANTONIO BELTRAN (Graduate Student, 1968--), 2718 Q Street, Lincoln, Nebraska. Tony came to Nebraska from Colombia in the spring of 1968. Since then he is "learning as much as possible about bugs, places, people, and, of course, English." He received his Bachelor's degree in 1965 from the University of Colombia in Bogota, then worked two years for the National Rice Growers Federation before coming to America for graduate study. He has recently published a manual on insects that attack rice in Colombia.

JAMES L. PETERSON (Graduate Student, 1968--), 3910 Orchard Street, Lincoln, Nebraska. Jim, Sue, and "Baby Hans" (7 months) established occupancy in the east half of the duplex at 3910 Orchard in June, 1968. Spare time is taken up by painting, repainting, then "touching up" most of the rooms in the house and by trying to fight off the neighbor's kids. During the work day, Jim sorts mosquitoes for Dr. Pruess, but concentrates his efforts on the Trichoptera of irrigation ditches in central Nebraska, his thesis study.

DEWEY M. URBAUER (Graduate Student, 1968--), Eagle, Nebraska. Dewey's main interests, in addition to his wife Nancy, daughters Lisa (2) and Amy (6 weeks) are spiders and lexicography. Dewey is very interested in collecting and has added several records and specimens to the Department's spider collection.

Department of Entomology Facilities



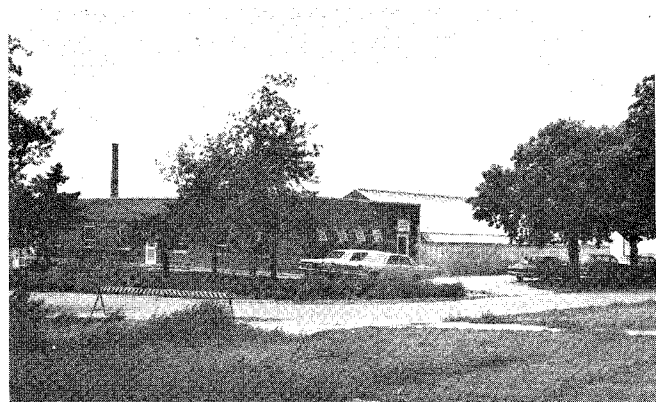
Plant Industry Building



Insectary



Corn Insect Lab. at the University of Nebr. Experiment Station, Mead



U.S.D.A. Forage Insect Lab

## ALUMNI

WARREN T. ATYEO (Professor and Curator of the Nebraska Entomology Museum, 1958-1967), Department of Entomology, University of Georgia, Athens, Georgia. Dr. Atyeo is now Professor of Entomology and Curator of the Entomology Collection at the University of Georgia where he will continue his research on the biology and systematics of feather mites. Prior to this acceptance, he was on a one year leave of absence from the University of Nebraska as a Grant's Associate with the National Institute of Health. The program is designed to train qualified personnel in government administration, specifically in the extramural granting programs of the Public Health Service. Tom and his wife Marilyn have two sons, Tommy (9) and Tim (6).

BUELE G. BALDERSTON (B.S. Agriculture 1952), 755 East Shepard Avenue, Pascagoula, Mississippi. Commander Balderston is presently the prospective Commanding Officer of the Attack Class, nuclear powered submarine, the USS Tautog (55N639). The ship is being constructed and fitted-out at the Ingalls Ship Yard in Pascagoula. Commander Balderston was assigned his new duty after completing an advanced course in the office of Vice Admiral H. G. Rickover, in Washington, D. C. When the ship is finished it will move to San Diego, California. The Balderston family will also move to that location.

ALINE N. BARE (Secretary, 1959-1967), 3218 Merrill, Lincoln, Nebraska. Although Mrs. Bare misses her friends in the Department since retiring January 1, 1967, she now enjoys many of the activities that were previously restricted by limited time. She has now been able to take many interesting excursions to neighboring states.

RASHID A. BHATTI (Graduate Student, 1967), 7740 No. Ashland Street, Chicago, Illinois. Rashid received his M.S. degree at the University of Karachi in Pakistan. Before coming here he worked in the central laboratories of the Pakistan Council of Scientific and Industrial Research in Karachi.

CARL T. BRANDHORST (PhD., 1961), 55 Pearl Street, Seward, Nebraska. Carl is a professor at Concordia Teachers College. His work includes teaching and research on the gall insects of Nebraska. He recently finished a book entitled "Tale of Whitefoot." It is a science (ecology) book for elementary school children, and was available March 1968 by Simon and Schuster.

LAWRENCE F. BEWICK (Assistant Professor, 1950-51), 2118 Valencia Avenue, Monroe, Louisiana. Larry is now the owner of Multa Chemical Company. The firm conducts a research farm and contracts small plot research work for various companies producing agricultural chemicals. They plan to expand soon to include the basic screening of new compounds for pesticidal activity.

CHARLES H. BRETT (B.S., 1930; M.S., 1938), 1425 Dixie Trail, Raleigh, North Carolina. Dr. Brett, Professor of Entomology at North Carolina State University, is conducting research on resistance of vegetable varieties to insect pests. He served as President of the North Carolina Entomological Society and as Chairman of the Building and Grounds Committee for North

Carolina State University. Not to be outdone by her husband, Mrs. Brett serves as Dean of Girls at Aycock Junior High School. She has recently been listed in Who's Who of American Women and International Dictionary of Biography. The Brett's oldest son Everett has received his PhD. in paleontology at the University of North Carolina and is now an assistant professor at the University of Alabama, Tusculosa. Their younger son Dewey is teaching mathematics in Kensington, Maryland, and is doing graduate work. Both Brett boys have two children.

NORMAN L. BRAASCH (B.S., 1950; M.A., 1955; PhD., 1965), 2524 Marvin, Cape Girardeau, Missouri. Dr. Braasch is Associate Professor of Zoology at Southeast Missouri State College. His research work is on freshwater invertebrates, determining the distribution of the intermediate host for Proterometra. He and his wife Kay have a daughter, Ann. Dr. Braasch spent the summer of 1967 at Hopkins Marine Station at Pacific Grove, California.

WENDELL E. BURKHOLDER (M.S., 1956), Department of Entomology, University of Wisconsin, Madison, Wisconsin. Dr. Burkholder has completed his PhD. at the University of Wisconsin and is now Investigations Leader and Assistant Professor of the USDA Dairy-Product Insects Laboratory there. Dr. Burkholder's dissertation and present research work concerns sex pheromones of dermestid beetles. He taught acarology during the spring semester. The Burkholders have three boys and a girl - all avid Packer and Badger fans.

CARROL O. CALKINS (M.S., 1964; Instructor, 1961-64), 429 State Avenue, Brookings, South Dakota. Carrol's present interest is the basic and applied biology of soil insects attacking corn and small grain. He is a research entomologist at the USDA Northern Grain Insects Research Laboratory. He and his wife, Janice, have two daughters, Debra (5) and Lori (1½). Carrol enjoys the duck and pheasant hunting offered by the Brookings area.

WINTHROP W. DARLINGTON (B.S., 1939; M.S., 1942), 12 Harbord Drive, Bloomington, Illinois. Winthrop is an Associate Professor of Natural Science at Illinois Wesleyan University. His primary concern there is teaching, but he is also studying the nutritional value of fresh water plankton. The Darlingtons have two sons. One son is a computer programmer for the USAF and the other is a North Central College pre-med student.

LEO H. DAWSON (M.S., 1965), 6415 Ogden Street, Omaha, Nebraska. Leo is an environmental biologist for the U. S. Army Corps of Engineers, conducting water quality investigations in the Missouri River Basin. The work includes lake surveys, monitoring of water quality, and phases of aquatic biology. Leo has a son and two daughters.

RALPH W. DAWSON (B.S., M.A.; Staff), 505 Skyline Drive, Pullman, Washington. Dr. Dawson's present position is collaborator in entomology at Washington State University. Taxonomy of Syrphidae and Seria (Scarabaeidae) is his major research interest.

J. ALLISON DENNING (District Supervisor, Grasshopper Control, USDA, 1938), 2020 West Main, Jefferson City, Missouri. Mr. Denning is the Director of Buildings, Grounds, Purchasing, and Transportation for the Jefferson City Public Schools. The Dennings have a daughter and a 3½ year old grandson.

GABRIEL DIAZ (M.S., 1963), Londres #40, Mexico 6, D. E. Gabe received his PhD. at Kansas State University in 1966. He is now a research entomologist for CIMMYT, working on stored grain insects and evaluating the germ plasm of corn for insect resistance. He says he is "still enjoying what might be the last few months of a long life as a single man."

DEAN E. ECKHOFF (B.S., 1931), 632 East 7th Street, Alliance, Nebraska. Dean is a livestock inspector with the Animal Health Division of the USDA in the Panhandle area. A local hog cholera outbreak last summer (1967) kept him "extra" busy. Daughter Lois is in her second year at K State.

JOHN D. EDMAN (M.S., 1961), 1415 35th Avenue, Vero Beach, Florida. John is a medical entomologist for the Entomological Research Center, Florida State Board of Health. Dr. Edman is senior investigator for an NIH supported study of the blood feeding behavior of mosquitoes. John and Lillian have a son, Scott (7) and a daughter, Stacy (4).

DORIS B. GATES (B.S., 1937; M.S., 1947; Staff, 1943-45), Route 1, Box 25, Chadron, Nebraska. Doris carries a full teaching load at Chadron State College, teaching biological survey, entomology, ornithology, wildlife conservation, and other related subjects. She became a member of Sigma Xi in 1965. During 1965 she also attended the University of Nebraska on a NSF grant. Doris has a home seven miles south of Chadron in the hills of the Pine Ridge.

ROBERT L. GATES (B.S., 1939; PhD., 1952, Chemistry), 143 Elizabeth Street, Medina, New York. Dr. Gates is Director of Research and Development for the F.M.C. Corporation, Niagara Chemical Division. He is working on the discovery and development for sale of new herbicides, defoliants, insecticides, and fungicides. The Gates have two sons, the eldest is now serving with the U.S.A.F. in Vietnam.

MARGARET M. GEHRKE (Laboratory Technician, 1944-56), 5218 Adams Street, Lincoln, Nebraska. Mrs. Gehrke says: "I'm looking after my little home and trying not to forget what I've learned." She still enjoys reading.

LEWIS T. GRAHAM (Assistant Entomologist, 1942-43), Box 403, Southwestern Station, Lafayette, Louisiana. Dr. Graham is Dean of the College of Liberal Arts, University of Southwestern Louisiana. He is responsible for setting the policies and administering the College of Liberal Arts. The Graham's son received his PhD. in biochemistry (specialty - neurochemistry) from Indiana University, June 1967. In June 1967 the elder Dr. Graham attended a conference on oceanology in the Virgin Islands.

EUGENE W. HAMILTON (B.S., 1949, Agric.; M.S., 1951, Ent.; Research Assistant, Entomologist, 1951-57), 2103 Elmwood Drive, Brookings, South Dakota. Gene is senior research entomologist for the Northern Grain Insects Research Laboratory. His present research as project leader in toxicology deals with the effect of insecticides on insect metabolism. Gene received his PhD. from Iowa State University in 1961 and a B.S. in electrical engineering from South Dakota University in 1968. He plans a career in bioengineering, specializing in bioinstrumentation and telemetry systems. The Hamiltons have three children.

HAROLD A. HAUKE (M.S., 1934; Grasshopper Control Supervisor, 1944-54), 602 South Youngfield Court, Denver, Colorado. Mr. Hauke retired from the Plant Pest Control Division, USDA, in June 1967 after 32 years of service. He had been stationed in the Central Plant Pest Control Region at Minneapolis and was in charge of program surveys. Early in March, Harold and Gladis left for a camping trip of several months throughout western Europe. Retirement must be wonderful!

ELVIS A. HEINRICHS (B.S., 1962, Agriculture; M.S., 1964, Entomology), 1005 W. Parkway, Knoxville, Tennessee. Dr. Heinrichs received his Ph.D. in 1967 from Kansas State University. "Shorty" is now assistant professor at the University of Tennessee. His present research deals with nursery and forest insects, sod webworm (Crambinae), and aquatic insects of farm ponds. He and Nancy have a daughter, Shawn, age 3.

ROBERT W. HELM (Extension Entomologist, 1950-52), 1463 Wood Acres Drive, Mountainside, New Jersey. Bob is Superintendent of the Union County Mosquito Extermination Commission. He and his wife Else have two children, Donna (8) and Andy (6) and two Golden Retrievers, Tanya (5) and Honeybee (6 months).

EPHRIAM HIXSON (Department Chairman, 1946-50; Associate Director of Resident Instruction, 1949-54), Riza Sah Pehlevi Street, Ankara, Turkey. Dr. Hixson has been involved in some rather interesting episodes in the past year. He and his wife were in Egypt when the Egypt-Israeli war started. Both were evacuated from the country, Mrs. Hixson on May 27 and Dr. Hixson on June 10. Dr. Hixson was in the American Consulate when it was burned and was evacuated from the country on a boat pulled out of repairs with a skeleton crew to Athens, Greece. From Greece he was transferred to Ankara, Turkey. He is at present assisting the Mexican Wheat Production Program and is responsible for the six Southern Provinces along the Mediterranean from Antalya on the west to Gaziantip on the east. He was with the US AID program until last April.

FATHI FIBDELGADIR HOMMEIDA (M.S., 1967, Entomology), Plant Protection Division, Kassala, Sudan. Fathi received his B.S. degree from the University of Punjab, West Pakistan. He worked as an Inspector for the Plant Protection Department, Ministry of Agriculture, until 1965 when he came to Nebraska. Fathi returned to the Sudan after receiving his Masters in 1967. He is working as an entomologist in the Kassala area for the Plant Protection Division. Family status: Fathi reports the quadrangle is still firm; the prince, the princess, his wife and himself.

WAYNE L. HOWE (Entomologist, Forage Insect Laboratory, 1957-61), 903 So. Mattis Street, Champaign, Illinois. Dr. Howe is an entomologist with Illinois Natural History Survey, working with field crop insect control with emphasis on corn. Mrs. Howe is a University of Illinois graduate in social sciences. They have a son, Don, at the University of Indiana, majoring in music and Russian, a daughter, teaching, and a son, Fred, at home.

OSCAR WILLIAM ISAKSON, JR. (M.S., 1963), 28 Belle Heth Gardens, Radford, Virginia. Oscar (Bill) was an extension survey entomologist until January 1, 1968, but is now a graduate assistant working toward his Ph.D. at V.P.I. He is married and has a son, Timothy.



JAMES L. JARVIS (Entomologist, Forage Insects Laboratory, 1962-64), Plant Introduction Station, Ames, Iowa. Jim is now an entomologist with the U. S. Department of Agriculture and screens new plant introductions for resistance to various insect pests.

AHMED MOHAMED KADOUM (M.S., 1963; Ph.D., 1966), Department of Entomology, Kansas State University, Manhattan, Kansas. Ahmed is now assistant professor at Kansas State University and is in charge of the Pesticide Residue Research Laboratory. He is co-leader of the NC-85 project, a project dealing with the reduction of hazards associated with the presence of residues of insecticidal chemicals in the environment; the leader of the NCM-37 project, a project studying the trace levels of pesticide residues in agricultural commodities in marketing channels; and the leader of the 5-912 project, a project studying the fate of malathion on sorghum. He is married and the father of two children, Robert (3) and Rickilyn (6).

BENJAMIN H. KANTACK (Instructor, 1958-62; Ph.D., 1963), Entomology-Zoology Department, South Dakota State University, Brookings, South Dakota. Dr. Kantack is now an extension entomologist at South Dakota State, doing full time extension work. He was promoted to full professor rank in July 1967. The Kantacks have seven children, five boys and two girls.

CHARLES F. KEECH (M.S., 1934), Box 157, Route 5, Lincoln, Nebraska. Mr. Keech is presently Assistant District Chief, Water Resources Division, U. S. Geological Survey. As chief of the special investigations section, Mr. Keech directs the collection, analysis, and reporting of special scientific investigations within the Nebraska district. The Keechs have a son and a daughter, and six grandchildren.

EDWARD C. KLOSTERMEYER (B.S., 1940; M.S., 1942), 611 Ellen Avenue, Prosser, Washington. Dr. Klostermeyer is an entomologist at Washington State University with the Irrigated Agricultural Research and Extension Center. He is doing full time research on corn earworms, mint insects, and the alfalfa leaf cutting bee. Dr. Klostermeyer and his wife attended the 8th International Congress of Entomology at Moscow, Russia, in August. Their son Lyle, who obtained a B.S. in entomology at Washington State, has been drafted into the Army.

KARL L. KOCH (A.B., 1927; M.A., 1929; Ph.D., 1931), SW. 157 Terrace, Miami, Florida. At present Dr. Koch is retired and enjoying the Florida sun. We were sorry to learn that Dr. Koch broke his hip in a fall from a bicycle December 30, 1967. However, he assured us he is doing fine.

FRED L. KOERWITZ (M.S., 1961), 472 Delaware Way, Sterling, Colorado. Fred is biology instructor at Northeastern Junior College, teaching invertebrate zoology and entomology. He is engaged in an ecological study of phyllopod crustacea of temporary ponds. Marian and Fred have two girls, Karen (14) and Lana (8).

DOROTHY J. KNULL (M.S., 1932), 330 E. Dunedin Road, Columbus, Ohio. Mrs. Knull continues to collect insects (chiefly leafhoppers) and turns them into the Ohio State University collection. She recently returned from a collecting trip near Mission, Texas, and also spent seven weeks collecting at Cane Creek, Chiricahua Mountains, Arizona.



JACK W. LOMAX (B.S., 1948; M.S., 1953; Extension Entomologist, 1948-50), 4722 Luther Street, Riverside, California. Jack is Regional Sales Manager for eleven western states including Alaska and Hawaii with the Velsicol Chemical Corporation. He reports that the company has recently moved into new office facilities in the Disneyland Hotel, Anaheim, California. Jack failed to mention if he is still "forced" to make those trips to Hawaii during his company travels. Since our last printing, their daughter Judy has married and has made them grandparents in mid 1967.

OSWALD KREICK (Technician, 1957-61, retired), 926 Charleston, Lincoln, Nebraska. Mr. Kreick worked as a technical staff member at the Insectary from 1957-61. He is now retired and enjoys traveling, hoping to do some in the near future. Mr. and Mrs. Kreick celebrated their 50th wedding anniversary in September 1968. CONGRATULATIONS.

WALLACE E. LaBERGE (Associate Professor, 1959-65), 2012 So. Race, Urbana, Illinois. Dr. LaBerge is now an associate taxonomist with the Illinois Natural History Survey and is doing systematic studies of Andrena of North America (Apoidea), bees of Illinois (Apoidea), and Ascogaster of North America (Braconidae). He and his wife Betty have three children.

EDWARD F. LAIRD, JR. (M.S., 1951; Research Assistant, Plant Pathology, 1951-53), 2101 Livingston Street, Riverside, California. Ed's present position is Laboratory Technician IV at the University of California. He is studying the virus-vector problems in all crops, but his primary interests are citrus and ornamentals. The Lairds have two sons, 12 and 15.

STANLEY D. LIEDTKE (B.S., Agr. Engr., 1948), 1930 Carter Road, Dubuque, Iowa. Stan describes himself as an entomology "drop out" and is presently senior project engineer for the John Deere, Dubuque Tractor Works. He is responsible for design work in the Deere engineering effort on industrial products, principally earth moving equipment. He is still actively interested in the biological sciences as a hobby and has presented several slide shows on the outdoors to local groups. He is married and has two children; one is a freshman at Colorado State University.

CLAUDE P. LINDEKUGEL (B.S., Agr., 1967; Lab Assistant, Forage Insects Laboratory, Jan. 1964-Jan. 1967), Company A 2/21 Infantry, Illesheim, Germany, APO New York, 09140. Phil is now an executive officer in the U. S. Army and his duties include motor maintenance, material readiness, and mess officer for the Company. He attended the Infantry Officer basic course at Fort Benning, Georgia, for 9 weeks, then went to Ranger School. Following this he and his wife were sent to Germany.

BARBARA JEAN LLOYD (Secretary for Insectary, 1967-68). Barbara's duties included general secretarial and clerical work. She and her family have since moved to California.

CLAYTON W. McCOY (M.S., 1963), 2120 Camden Road, Orlando, Florida. Clay is a research entomologist with USDA in Florida. He received his PhD. in biological control from the University of California, Riverside, in 1967. At present he is conducting studies on the biological control of citrus insects with particular reference to the entomogenous fungi of mites and the parasites of armoured scale. The McCoys have one daughter, Lisa Kay.

MELVIN E. McKNIGHT (M.S., 1958, Ent.; Forage Insects Laboratory 1957-59), Rocky Mountain Forest and Range Experiment Station, Shelterbelt Lab, 1st St. & Brander, Bottineau, North Dakota. Dr. McKnight is an entomologist with the U. S. Forest Service at the Rocky Mountain Forest and Range Experiment Station. He is studying the ecology of the western budworm, Choristoneura occidentalis in the central and southern Rocky Mountains. Mel was awarded his PhD. from Colorado State University in June 1967. He is married and has three daughters, Mary (7), Linda (5), and Susan (7 months).

JERRY G. MEDLEY (B.S., 1958; M.S., 1964), 215 West Peach Street, Fredricksburg, Texas. Jerry is with the USDA in charge of the Pesticide Regulation Division, which deals with livestock and poultry product testing. He recently published a paper concerning the use of fluorescent dye for marking and recovering fowl ticks from poultry houses treated with insecticides. Jerry's current project is contamination residue analysis and egg hatchability tests. He and his wife have seven children (6 boys and 1 girl). Jerry reports he now has about 170 excellent pieces in his Indian artifact collection.

CLARENCE E. MICKEL (B.A., 1917), 6601 Los Arbolis Circle, Tucson, Arizona. Dr. Mickel was Chairman of the Department of Entomology at the University of Minnesota from 1944 until his retirement in 1960. Dr. Mickel is presently serving as a visiting scholar at the University of Arizona. His research is taxonomic work on Mutillidae (Hymenoptera). He has five grandchildren and six great-grandchildren.

MARTIN H. MUMA (Associate Professor and Curator, 1945-51), Citrus Experiment Station, Lake Alfred, Florida. Dr. Muma is a professor at the University of Florida. He is currently studying citrus insects and mites with emphasis on taxonomy and biological control potential of the Caribbean fruit fly. The Mumas have six children. Dr. Muma is still an active scorpion and spider collector.

DOUGLAS D. NELSON (B.S., 1948, Agric.), 1979 Afton Lane, Jacksonville, Florida. Mr. Nelson is manager of the Southern Agricultural Department of the Niagara Chemical Division of FMC Corporation. He coordinates all activities for Niagara Agricultural Department from Texas to the Atlantic coast. The Nelsons have three children, ages 13-17. Mr. Nelson says he and his family have learned to appreciate the calibre of football played in the Southeast Conference.

ROBERT H. NELSON (B.S., 1929; M.S., 1930), 7309 Finns Lane, Lanham, Maryland. Mr. Nelson is Executive Secretary of the Entomological Society of America. As secretary, he is in charge of the national office, directing the business of the 5,700 member Society. He has a son, Peter, who is city manager of LaPlata, Maryland, a daughter and 3 grandchildren. Mr. Nelson is retiring as secretary this year. We think he certainly deserves much credit for developing the Entomological Society of America into the outstanding scientific organization that it is today. Our best wishes go with him in the future.

MAURICE R. NORTON (B.S., 1954, Agric.), 206 Vine Street, Louisville, Nebraska. Dr. Norton received his degree in dental surgery from the University of Nebraska in 1962 and now has a general practice in Louisville. He and his wife Jean have a daughter, Maureen (9) and an adopted son, Mitchel (1).

PETER A. NYHUS (Graduate Student, 1960-61), Braham, Minnesota. Pete is a physical education instructor and head football coach at Braham Senior High School. In August of 1967 he received his M.S. from Bemidji State College. Pete and his wife, Joanne, have two sons, Andrew and Peter.

KENNETH R. ORWIG (PhD., 1967), 6502 Monument Avenue, Richmond, Virginia. As assistant professor of biology at the Richmond Professional Institute, Ken teaches general biology. He has introduced invertebrate zoology and general entomology to the curriculum and is currently teaching both. The merger of R.P.I. and the Medical College of Virginia will create the Virginia Commonwealth University this year; with a 1975 projected enrollment of 25,000 students. Ken and his wife, Marjorie, have a daughter, Kristin Kay, who was 3 in July.

PAUL C. PETERSON (Graduate Student, 1962-67; Instructor, 1967-68), 3017 Northgate, Youngstown, Ohio. After the departure of Dr. W. T. Atyeo, Paul became acting curator of the Nebraska State Entomology Museum. He has now completed his thesis and has passed his comps. "Pete" is now teaching at Youngstown University, Youngstown, Ohio. Paul and Nan have a daughter, Anne (1).

CORNELIUS B. PHILIP (B.S., 1923; PhD. (hon.), 1952), 908 South 4th Street, Hamilton, Montana. Dr. Philip is principal medical entomologist at the Rocky Mountain Laboratory, Hamilton, Montana. He is currently studying arthropod-borne disease agents, microbiology of rickettsial agents, and rickettsial zoonosis in domestic animals. Dr. Philip recently spent a week in Prague and Moscow visiting various laboratories and museums. Last December, he served as chairman of a WHO sponsored seminar on acarina and human diseases in Geneva. He has two sons, two daughters, and fifteen grandchildren.

GEORGE A. PREECE (B.S., 1950, Agriculture), 6400 Highway 2 SE, Lincoln, Nebraska. George is the president of Midstate Pest Control, Inc. The Preeces have four daughters, two still in high school, one in medical school at the University of Nebraska, and another graduating from the University of Nebraska.

DAVID W. RIBBLE (PhD., 1967), 197 Poplar Street, Campbell, California. Dave was assistant professor at the University of Wyoming, teaching taxonomy and curator of the museum during 1967. He now has a part-time job at San Jose State College, teaching medical and general entomology until a suitable position becomes available.

RAYMOND ROBERTS (M.S., 1927, Instructor to Associate Professor, 1924-42), 5012 Ademoor Avenue, Lakewood, California. The Robert's family consists of three sons and one daughter, and five grandchildren. Mr. Roberts is a "man of leisure," retired and "his time now is his own." Family history is now his most important project.

GEORGE L. ROLOFSON (B.S., 1961; M.S., 1964), Department of Entomology, Virginia Polytechnic Institute, Blacksburg, Virginia. George received his PhD. from VPI in June. His dissertation was on certain biochemical mechanisms of DDT resistance in the German cockroach.

DONALD R. SCOTT (B.S., 1948; M.S., 1952), Agricultural Experiment Station, Parma, Idaho. Don is assistant entomologist at the University of Idaho. Current projects include research on insects important to vegetable crops, fruit insects research, and study of interrelationship of lygus bugs and their host plants. The Scotts have four children, three sons and a daughter.

LEONARD E. SEATON (M.S., 1952), 3022 Haley Street, Bakersfield, California. Leonard is owner-manager of Agriculture Tech-Service. The company serves as entomology consultant for all crops in the Valley and also tests new chemicals in the field. He plans to expand his business to include agricultural management. The Seatons have two sons and three daughters.

LYLE F. SELKO (B.S., 1935, Agric.; M.S., 1936, Ent.), 2612 Berkshire Way, Oklahoma City, Oklahoma. Lyle is president of Mid America Specialties. The firm furnishes candy and other items to schools for fund raising projects throughout Oklahoma and adjoining states. Their oldest son, David, is married. The younger son, Paul, is a sophomore at Central State College, Edmond, Oklahoma, majoring in psychology.

CARL W. SCHLUETER (B.S., Agric., 1948), 605 Marguerite Road, Metairie, Louisiana. In his position as plant quarantine inspector for the USDA, Carl inspects foreign cargo to prevent introduction of foreign pests. He has one son in his fourth year at St. Johns College, another son in his second year at LSU, and a 6½ year old daughter just beginning her education.

EVERETT W. SPACKMAN (M.S., 1954), 4016 East 9th Street, Cheyenne, Wyoming. Everett is the Director of the Division of Plant Industry, Wyoming Department of Agriculture. His work is concerned with pesticide registration and commercial inspection. The Spackmans have four boys (5-16 years of age).

LLOYD R. SPACKMAN (B.S., 1950, Agric.), Genoa, Nebraska. Lloyd is sales manager for International Minerals and Chemical Corporation, supervising sales in Iowa and Nebraska. There are three sons in the Spackman family.

GLENN M. STOKES (M.S., 1962), 1508 Lynnette Drive, Metairie, Louisiana. Glenn is still the Director of the Jefferson Parish Department of Mosquito Control and is currently an instructor in biology at LSUNO. In addition to his many professional duties, Glenn finds time to serve as Boy Scout Merit Badge counselor in zoology, insect life and oceanography for the local districts. Glenn is married and the father of three children.

DOUGLAS W. S. SUTHERLAND (Graduate Student, 1955-56), Packers Falls Road, Durham, New Hampshire. Dr. Sutherland has added the duties of extension specialist in pesticides safety to his position as assistant professor of entomology at the University of New Hampshire. His work includes the establishment and maintenance of pesticide safety programs. The Sutherlands have a daughter, Laura (3), and a new addition since our last writing, Daniel (1½).

H. DOUGLAS TATE (Associate Professor, 1939; Professor and Chairman, 1941-46), 182 Knoll Drive, Hamden, Connecticut. Dr. Tate is manager of Agricultural Chemicals Research and Development for Uniroyal Inc. He directs the company's agricultural chemicals research and development program both domestically and abroad. Dr. Tate attended the International Congress on Plant Protection in Vienna, Austria, in 1967. Dr. Tate's family status has not changed.

GEROLD T. WEEKMAN (Associate Professor, 1957-66), P.O. Box 5215, Raleigh, North Carolina. While Gerold was with us he headed the corn rootworm research at the Mead Corn Insect Lab and worked half-time on the Extension Staff. Gerold left to go to North Carolina State University. He now has administrative responsibility for extension entomology in addition to his responsibility for fruit insects. His sons Thomas and James are now 5 and 3 respectively and he says his wife Nancy still enjoys being a wife and mother. But we will admit that we didn't hear that directly from her.

STEPHEN M. VALDER (B.S., 1963, Zoology), Y-6 Jardine Terrace, Manhattan, Kansas. Steve received his PhD. in June from Kansas State University. He was engaged in full time research on the buildup and changes in lipid composition in diapausing face flies. Upon receiving his degree, Steve plans extended active duty in the U. S. Air Force as a medical entomologist.

EUGENE G. THOMPSON (Research Associate, 1959-60), 4107 Monaco Drive, San Antonio, Texas. Major Thompson is an entomology instructor at the Medical Field Service School, U. S. Army. He instructs officers of all medical branches. The Thompsons have one son, Howard.

CARROL M. VOSS (B.S., 1941), R. D. 1, Gettysburg, Pennsylvania. Dr. Voss is president of Ag Rotors Inc. The company specializes in agriculture helicopter service and flight training. Carrol directs the agricultural spray operations. Carrol and his wife have four children.

ROBERT J. WALSTROM (B.S., 1947; M.S., 1949), 1409 First Street, Brookings, South Dakota. Dr. Walstrom is head of the Entomology and Zoology Department at South Dakota State University. In addition to his administrative duties, Bob is conducting research on alfalfa insects and is teaching. He and Mary Lou have two sons, both college students at SDSU.

MORGAN C. WEBB (PhD., 1961), 1325 South Newton, Sioux City, Iowa. Dr. Webb received the first PhD. degree granted by the Department of Entomology at Nebraska. He is now assistant professor of biology at Morningside College, with teaching taking up most of his time. The Webbs have six children, the eldest daughter graduated from Morningside in June.

DON B. WHELAN (Instructor, Assistant and Associate Professor, 1923-40; Extension Entomologist, 1940-44), 1130 H Street, Lincoln, Nebraska. Although retired, Mr. Whelan is an active advisor for Woodman Accident and Life Company with respect to their lawn and landscaping problems. The Whelans have recently taken bus tours to various parts of the U. S. Mr. and Mrs. Whelan have a daughter, two grandchildren, and one great-grandchild.

RICHARD E. WHITE (Assistant Curator, 1963 Summer), 7942 Woodpecker Way, Alexandria, Virginia. Dick is a research scientist with the Entomology Research Division, USDA, working on the identification and taxonomy of Coleoptera. He and Donald J. Borror have just finished A Field Guide to the Insects (Houghton Mifflin, Peterson Field Guide Series), which will appear in 1969. Dick was married in January to Janice Foster, an entomology student at Purdue University.

JOHN H. WILLIAMS (M.S., 1960), 1540 Whitmauer Drive, Mansfield, Ohio. John is assistant professor at Ohio State University currently serving as coordinator of biological sciences at the branch campus of Ohio State. Dr. Williams is in charge of teaching all general zoology and general entomology courses and one section of invertebrate zoology. His wife is on the faculty at Ohio State in the English Department.

ROCKFORD G. YAPP, JR. (B.S., 1954, Agriculture), 503 Mark Road, Allendale, New Jersey. Rocky is Commerical Manager for Shell Chemical Company, Agricultural Chemicals Division. He is responsible for all marketing, sales and product development for Shell's health and nutrition products. The Yapps have three children, Ricky (9), David (7), and Caroline (4).



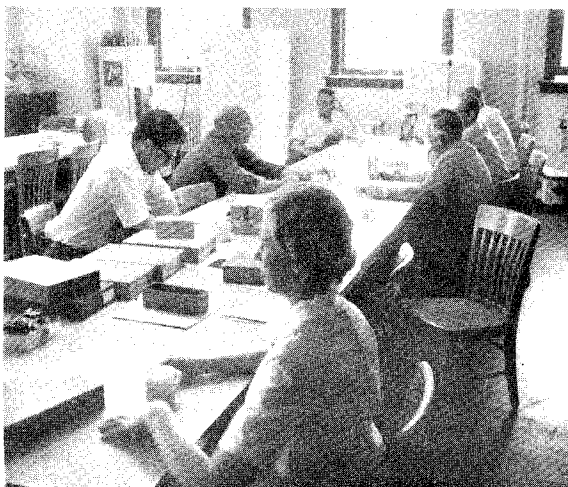
C. B. Phillip '20

## THE 20's

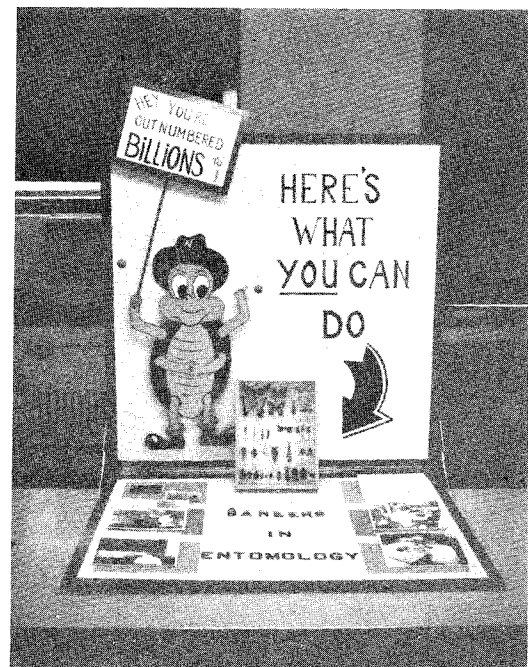


Farmers Fair '22

## THE 60's



Coffee break



Grassland Field Day '67



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